

## **AMENDMENTS TO THE CLAIMS:**

Claims 1-31 are pending in the application. Claims 11-31 are withdrawn from consideration and canceled. Claims 1-2 and 8-10 have also been canceled. Claims 3-7 have been amended.

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

#### **Claims 1-2 (Canceled).**

**Claim 3 (Currently Amended):** An antibody having an activity of recognizing GM1 ganglioside-bound amyloid  $\beta$ -protein and inhibiting the formation of amyloid fibrils, the antibody is a recombinant IgG, Fab, Fab', F(ab')<sub>2</sub>, scFv, or dsFv, comprising: a heavy chain variable region; and a light chain variable region, wherein the heavy chain variable region comprises complementarity determining regions (CDRs) described in g), h) and i), and the light chain variable region comprises CDRs described in j), k) and l);

g) CDR 1 consisting of an amino acid sequence of SEQ ID NO. 1, ~~or the amino acid sequence resulted from a partial alteration of SEQ ID NO. 1;~~

h) CDR 2 consisting of an amino acid sequence of SEQ ID NO. 2, ~~or the amino acid sequence resulted from a partial alteration of SEQ ID NO. 2;~~

i) CDR 3 consisting of an amino acid sequence of SEQ ID NO. 3, ~~or the amino acid sequence resulted from a partial alteration of SEQ ID NO. 3;~~

- j) CDR 1 consisting of an amino acid sequence of SEQ ID NO. 4, ~~or the amino acid sequence resulted from a partial alteration of SEQ ID NO: 4;~~
- k) CDR 2 consisting of an amino acid sequence of SEQ ID NO. 5, ~~or the amino acid sequence resulted from a partial alteration of SEQ ID NO: 5;~~ and
- l) CDR 3 consisting of an amino acid sequence of SEQ ID NO. 6, ~~or the amino acid sequence resulted from a partial alteration of SEQ ID NO: 6.~~

**Claim 4 (Currently Amended):** ~~An antibody having an activity of recognizing GM1 ganglioside bound amyloid  $\beta$  protein and inhibiting the formation of amyloid fibrils, the antibody comprising a heavy chain variable region, The antibody according to claim 3, wherein the heavy chain variable region comprises an amino acid sequence of SEQ ID NO: 7, ~~or the amino acid sequence resulted from a partial alteration of SEQ ID NO: 7.~~~~

**Claim 5 (Currently Amended):** ~~An antibody having an activity of recognizing GM1 ganglioside bound amyloid  $\beta$  protein and inhibiting the formation of amyloid fibrils, the antibody comprising a light chain variable region, The antibody according to claim 3, wherein the light chain variable region comprises an amino acid sequence of SEQ ID NO: 8, ~~or the amino acid sequence resulted from a partial alteration of SEQ ID NO: 8.~~~~

**Claim 6 (Currently Amended):** ~~An antibody having an activity of recognizing GM1 ganglioside bound amyloid  $\beta$  protein and inhibiting the formation of amyloid fibrils, the antibody comprising a heavy chain variable region, and a light chain variable region, The antibody according to claim 3, wherein the heavy chain variable region comprises an amino acid sequence~~

of SEQ ID NO: 7, ~~or the amino acid sequence resulted from a partial alteration of SEQ ID NO: 7;~~  
and the light chain variable region comprises an amino acid sequence of SEQ ID NO: 8, ~~or the  
amino acid sequence resulted from a partial alteration of SEQ ID NO: 8.~~

**Claim 7 (Currently Amended):** The antibody according to claim 3 ~~[[1]]~~, which is a  
humanized antibody.

**Claims 8-31 (Canceled).**